

Benchtop Plant Growth Chamber



LH-62PF (S/D/P) / LH-62PF (S/D/P) -S

Choose from Three Types of LEDs: SUNRAY LIGHT LED (White color), PLANTFLEC LED Pink color or Yellow color!

Features

- Simple light shield type.
- LH-62PF (S/D/P) is equipped with LEDs in the ceiling.
- LH-62PF (S/D/P) is equipped with LEDs in the ceiling and in the left, right, and rear sides.
- The temperature is controlled within the range of +10°C to +40°C (+15°C ~ when all lights on). A three-position control system is utilized for energy savings.
- The changeover operation is available between constant operation and day/night switching operation.

Applications

- Tissue culture, germination, and growth tests for plants
- Growing of plug vegetables, mini-gardens, and ornamental plants

Options

- Outlet inside the chamber

■ Cable entry



Cable entry port

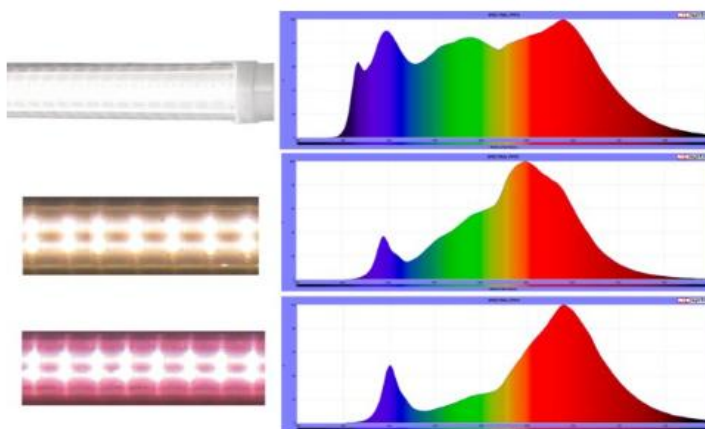


Cable entry (18mm)



Model: LH-62PFS-S

LED spectrum



Control Panel

Specifications

Model		White LED	Yellow LED	Pink LED
		LH-62PFS	LH-62PFD	LH-62PFP
Outer dimensions (mm)		W469×D460×H1,009		
Inner dimensions (mm)		W395×D360×H460		
Control system		Changeover between constant operation and day/night switching operation * Lighting and temperature: Once per day each		
Control methods		Three-position control method: Refrigerator, ON/OFF control; heater, proportional control		
Temperature		+10℃ to 40℃ ± 2℃ (+15℃ ~ when all lights on)		
Illuminance		4,000 lx	3,100 lx	1,800 lx
Photon flux density		70 μmolm-2s-1	45 μmolm-2s-1	40 μmolm-2s-1
Light source	Illumination	Straight tube sun-like LED lamp (SUNRAY LIGHT)	Straight tube LED lamp (PLANTFLEC) for plant growth	
	Number of lamps	Ceiling: 3 lamps (10W) x 1 side		
Refrigerator		150W		
Heater		150W		
Operation current (maximum)		3.5A		
Power requirement		Sigle phase 100V 50/60Hz 15A		
Weight		60 kg		

* Illuminance and photon flux density values measured near the lower shelf are average values.

* Safety Devices:Earth Leakage Circuit Breaker, Refrigeration Unit Protection Device (Overload Relay, Auto Reset Type), Fuse

* The refrigeration unit uses a non-fluorocarbon (natural refrigerant) specification.

* Temperature sensor: platinum resistance temperature sensor.

* Power requirement does not include the power-outlet installed inside the chamber. The internal outlet can be used up to 1A.

* These chambers are designed to operate in ambient temperatures 15 to 30°C in general. The specified performance may not be achieved depending on actual usage conditions.

* Depending on the sample, drainage installation may be required.

* When lighting, temperature setting should be 20°C or higher.

* Keep 30cm or more clearance at both sides and the back of the product to prevent exhausted heat from being trapped and hindering the cooling function.

* The specified control accuracy for temperature and humidity applies when lights off.

* For long-term operation at high temperatures, please contact us for confirmation.